

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	63182	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:43
L2	4655	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) near5 (fiber or fibril or fibre)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:43
L3	70	L2 and L1	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:43
L4	2	l3 and (battery or batteries or electrochemical)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 14:45

L5	124823	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:47
L6	18766	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) with (fiber or fibril or fibre)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:47
L7	14	I5 and I6 and (429/144 or 429/145).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:48
L8	16	I5 and I6 and (429/253 or 429/254).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:55
L9	12	I8 not I7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 14:55

L10	36003	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) same (fiber or fibril or fibre)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:02
L11	17	I5 and I10 and (429/144 or 429/145).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:04
L12	3	I11 not I7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:04
L13	20	I5 and I10 and (429/253 or 429/254).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:06
L14	4	I13 not I8	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:06
L15	521	I5 and I10 and (battery or batteries)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/05/13 15:09
S1	1	10/561342.app.	US-PGPUB; USPAT	OR	ON	2010/05/13 11:12
S2	63182	(Membrane or separator or film or electrolyte) near3 (poly olefin or poly\$1olefin\$1 or poly ethylene\$1 or poly\$1ethylene\$1 or poly propylene\$1 or poly \$1propylene or pe or pp)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:39

S3	177606	(Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:41
S4	8887	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co-(hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co-(acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF-AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methylacrylate) or poly \$1methylacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:44

		poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) with (fiber or fibril or fibre)				
S5	196	S2 and S4	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:45
S6	4655	((Membrane or separator or film or electrolyte) near3 (poly (vinylidene fluoride or poly \$1vinylidene fluoride or PVDF or poly(vinylidene)-co- (hexafluoropropylene) or poly \$1vinylidene\$1co \$1hexafluoropropylene or [P (VDF-HFP)] or poly(acrylonitrile) or poly\$1acrylonitrile\$1 or (PAN) or poly(vinylidene)-co- (acrylonitrile) or poly\$1vinylidene \$1co\$1acrylonitrile or [P(VDF- AN)] or copolymer or poly (ethylene oxide) or poly \$1ethylene oxide) or (PEO) or poly(urethane) or poly \$1urethane\$1 or poly (methacrylate) or poly \$1methacrylate) or poly (methyl methacrylate) or poly \$1methyl methacrylate or (PMMA) or poly(acrylamide) or poly\$1acrylamide\$1 or (PAA) or poly(vinyl chloride) or poly \$1vinyl chloride or (PVC) or poly (vinylacetate) or poly \$1vinylacetate or (PVAc) or poly (vinylpyrrolidone) or poly \$1vinylpyrrolidone or polytetraethylene glycol diacrylate poly(ethylene glycol dimethacrylate or poly \$1ethylene or PEGDMA or cellulose or acetate)) near5 (fiber or fibril or fibre)	EPO; JPO; DERWENT	ADJ	ON	2010/05/13 11:46

5/ 13/ 2010 3:12:56 PM

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